

Alignment of Nulake Year 11 Mathematics Workbook to Qatar Grade 10F Standards

Overall features:

- Differentiated questions at 3 levels – Achievement/Merit/Excellence supports differentiated teaching.
- There are good notes and examples on use of graphic calculators –useful for teachers who have not had pd
- Advice on customizing the workbook for individual learning styles is included.
- Hints on how to study and how to use the book are included for teachers.
- The book is cheap – should be QR60 or thereabouts so it is feasible that every student have one as their basic workbook.
- The language is appropriate.
- The authors are open to writing specific sections to meet local conditions if numbers are guaranteed – e.g. a section on vectors could be included if requested.
- Highlighted notes and worked examples are well set out.
- Whereas many schools seem to send textbooks home for the students to use for homework (and they remain there unused for the year) and at the same time many students do not bring their workbooks to class, this combines the 2 books in one.

Alignment to Grade 10F Course

Nulake Chapter	10F Unit	Standards covered (from the unit)	Standards omitted	Notes
1.0 Algebra				Focuses on algebraic manipulation, patterns and solving algebraic equation in context
			10F 3.6, 5.6, 5.7, 5.8	Ratio is covered on pages 284-5
2.0 Graphs	10F-07	10F 5.9, 5.10, 5.11, 5.12, 5.13	1	Includes notes on graphic calculator use
3.0 Measurement	10F-06	10F 7.1, 7.3, 1.13, 1.5	10F 7.2 is covered in Chapter 8	
4.0 Geometric Drawing	10F-08	10F 6.8, 6.11, 6.9,		
5.0 Statistics	10F-04 10F-10	10F 8.1, 9.1, 8.3, 1.12 10F 8.2, 1.1, 1.4,		

		1.14, 1.12, 8.4, 8.5, 10.1		
6.0 Probability	Not covered in SoW			
7.0 Number	10F-01	10F 3.7, 3.1, 3.3, 1.1, 1.13, 1.2, 1.8, 1.7		3.2
8.0 Trigonometry	10F-12	10F 7.2 (from 10F- 06) 10F 6.5, 1.1, 6.7, 1.4, 1.13		6.6 Extension is covered including 11F 6.2, 6.4
9.0 Geometric Reasoning	Aspects of 10F-2,	10F 6.1, 1.10, 1.6, 1.7, 1.11		
				Unit 10F-5 sequences is covered in Nulake Year 12 book, and 10F-5 algebra work is covered variously in Nulake Year 11 and Year 12 books, Chapter 1
				Unit 10F-11 not covered